



ARM based SBC for LOW AND ULTRA-LOW POWER APPS

PERFECT FOR IoT & HMI FIELDS

WHERE THERE IS
NO DEMAND FOR
MULTIMEDIA POWER

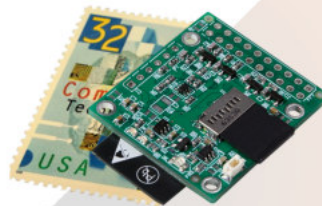
U5 UNIQUE SELLING POINTS



- It's a complete SBC, not a SOM
- Power supply 5V, optional 6,5 to 18V
- RGB FPC display port with power supply for the back-light too
- RTC with external battery connector and on board resistive touch controller
- 1 Ethernet 100 M + 1 USB type A + 1 on strip + WiFi/BT
- Various GPIO, A/D, I2C, SPI, UART 2xRS232 (1 for Console) + 1xCAN
- UPS manager with external battery

U1 UNIQUE SELLING POINTS

- Reduced dimensions: 37,5 mm x 31 mm
- AD / DA / buffered GPIO / WiFi/ BT on board with antenna
- UPS manager with external battery



SKILLS AND TARGET MARKET

The Novasom Industries U-line is a family of SBCs, specially developed for IoT, handheld & wearable applications and smart devices markets, requiring ultra-low power and complex battery management while maintaining our industrial high quality level.

Novasom Industries U1 is a very small SBC with WiFi, BT and GPIO ready for the field, extremely flexible and inexpensive, and a battery charger and management plus some special Ultra low power features.

Novasom Industries U5 is an SBC with everything necessary to guarantee an immediate bootstrap, driving of a display, connecting via Ethernet and USB and other GPIO plus a battery charger and management.

RASPMOOD form factor for U5: mechanical holes, expansion pin on strip, connector kind and position are similar to the famous Pi Family.



UP TO 5 YEARS TOTAL WARRANTY
5/10 YEARS LIFETIME AVAILABILITY
ONLY INDUSTRIAL COMPONENTS
FOR IoT, LOW POWER INDUSTRIAL,
SMART DEVICE APPLICATIONS

So if you've started with a toy-board and want to move to an industrial proposal, we're ready.

Visit www.novasomindustries.com for last update.



we have

SOLUTION

for you



Novasom U1A

ESP32 @240MHz
384 KB RAM

**STANDARD
PRODUCTS**



Novasom U5A

i.MX6 ULL @900 MHz
512 MB
power supply 5V
2 PCM on strip

Novasom U5C

i.MX6 ULL @900 MHz
512 MB
WiFi
power supply 6,5 to
18V
audio on jack 3,5 mm

RASP MOOD
design

EVALUATION DEVELOPMENT KIT



Our engineering team guarantees the success of your design.

Basic Development Kit for Novasom U-Line is based on the Novasom U5C or U1A.

The standard Development Kits are made by one Novasom Industries board, Micro SD 4GB with SDK and SW demo, power supply wall plug, console cable, instructions to download the SDK loaded into a working Virtual Machine, for Linux OS, where **everything** is installed, **configured** and nothing additional needs to be done. Extended Development Kit is also available for **U5** and it includes a RGB touch 5" with all needed cables to directly connect to the Novasom board.

With the assistance of our sales team you can configure your tailor made board to lower the price and increase the **MTBF**. If the **Tailor-Made Solution** is not enough, it is possible to **Customize** a standard board.

Ask for our **"SBC Customization"**: with a fixed price that includes the engineering service to customize one Novasom Industries SBC plus one run of 5 Alpha prototypes.

TAILOR MADE

Novasom
INDUSTRIES
Single Board Computer

For any doubt or question
do not hesitate to contact us on our website
www.novasomindustries.com